

## C0603X184J3RACTU

Aliases (C0603X184J3RAC7867)

SMD Comm X7R Flex, Ceramic, 0.18 uF, 5%, 25 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 0603



Click here for the 3D model.

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.17mm  |
| W          | 0.8mm +/-0.15mm  |
| Т          | 0.8mm +/-0.15mm  |
| S          | 0.58mm MIN       |
| В          | 0.45mm +/-0.15mm |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging                | T&R, 180mm, Paper Tape |
| Packaging Quantity       | 4000                   |

| General Information |                                       |
|---------------------|---------------------------------------|
| Series              | SMD Comm X7R Flex                     |
| Style               | SMD Chip                              |
| Description         | SMD, MLCC, FT-CAP, Temperature Stable |
| Features            | FT-CAP, Temperature Stable            |
| RoHS                | Yes                                   |
| Termination         | Flexible Termination                  |
| Marking             | No                                    |
| AEC-Q200            | No                                    |
| Component Weight    | 7.3 mg                                |
| Shelf Life          | 78 Weeks                              |
| MSL                 | 1                                     |

| Specifications   |  |
|--|--|
| Capacitance  | 0.18 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance  | 5%   |
| Voltage DC   | 25 VDC   |
| Dielectric Withstanding Voltage                                    | 62.5 VDC   |
| Temperature Range  | -55/+125°C   |
| Temperature Coefficient  | X7R  |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor   | 3.5%1kHz1.0Vrms                                    |
| Aging Rate   | 3% Loss/Decade Hour:<br>Referee Time is 1000 Hours |
| Insulation Resistance  | 2.7778 GOhms                                       |

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